Do You Eat the Red Ones Last?

"When you eat your Smarties do you eat the red ones last, do you suck them very slowly, or crunch them very fast, they are candy-coated chocolate, so tell me when I ask, when you eat your Smarties, do you eat the red ones last?"

Aim: To Find the probability of drawing a red Smartie.

Equipment: calculator, clean hands, 1 box of Smarties

1. Collect one box of Smarties between two students.
2. Count the number of Smarties contained in the box.
3. Guess what you think the probability is in picking a red Smartie.

The Probability of drawing a red Smartie is \_\_\_\_\_\_\_\_\_.

1. Place the Smarties back in the box. Pull out a Smartie, record the colour. Put it back. Shake the box again, GENTLY. Pull out a Smartie. Do this 50 times. Record your results

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Yellow | Red | Orange | Green | Brown | Purple | Blue |
| Tally |  |  |  |  |  |  |  |
| Number |  |  |  |  |  |  |  |

1. The number of Smarties was \_\_\_\_\_\_\_\_.
2. Count the number of different coloured Smarties.
3. Record your results.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Colour of Smartie |  | Number of Smarties | | | |
|  | Number of Coloured Smarties | My results | Class results | Fraction of Coloured Smartie  Total Number of Smarties | Written as a Decimal |
| Red |  |  |  |  |  |
| Green |  |  |  |  |  |
| Brown |  |  |  |  |  |
| Blue |  |  |  |  |  |
| Orange |  |  |  |  |  |
| Yellow |  |  |  |  |  |
| Purple |  |  |  |  |  |
| Total |  |  |  |  |  |

1. The class results showed
2. The more times the experiment was completed the